



Air Medical Transport in Montana

Presented by

TC Coble & Scott Schandelson

- * Vision Zero is the industry initiative to reduce the number of fatalities to zero.
- * The core principles are
 - * Education
 - * Awareness
 - * Vigilance



- * At the heart, the initiative is a grass roots level response by the industry to promote a safety culture
 - * Community sharing of best practices
 - * Learning from other's incidents
 - * Creating awareness throughout service areas as to true risk and benefit of Air Medical Transport



- * Night Vision Imaging Systems (NVG's)

- * Enhance the ambient light to provide a visual of the object (s) within the environment

- * 40 degree FOV

- * Depth perception

- *

Safety Tools used in Montana

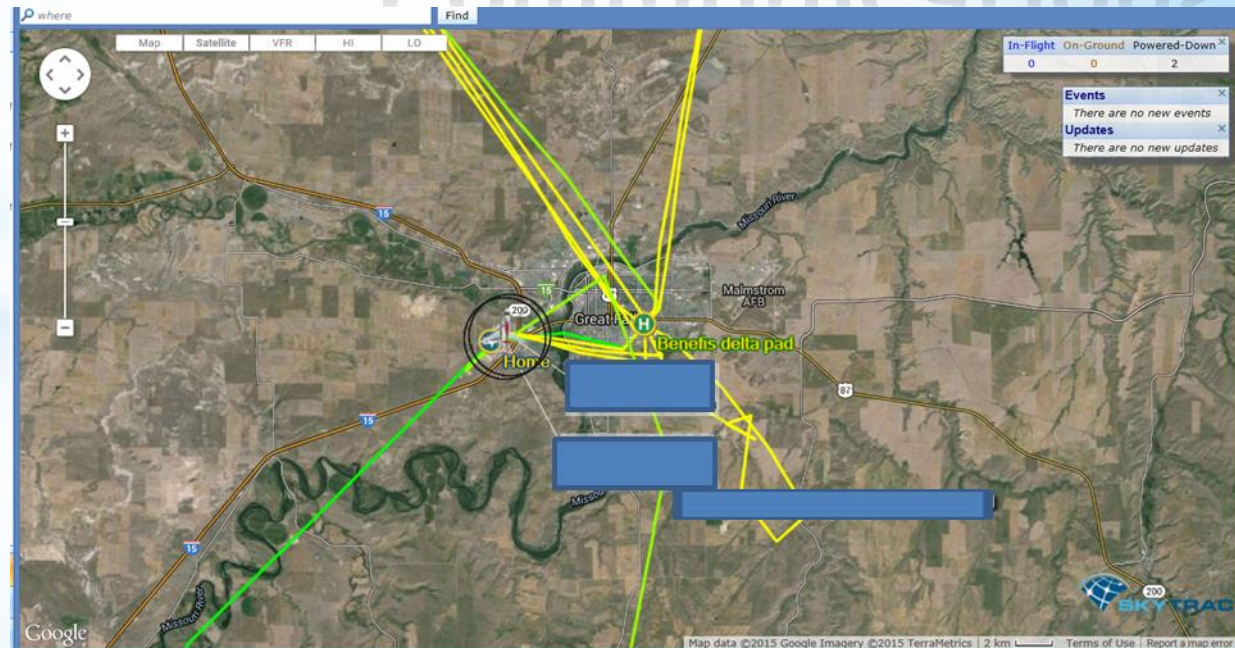


-

*Synthetic Vision

- * Allows close to real time tracking of aircraft and crews
 - * 30 seconds to 3 minutes
- * Allows communications with aircraft

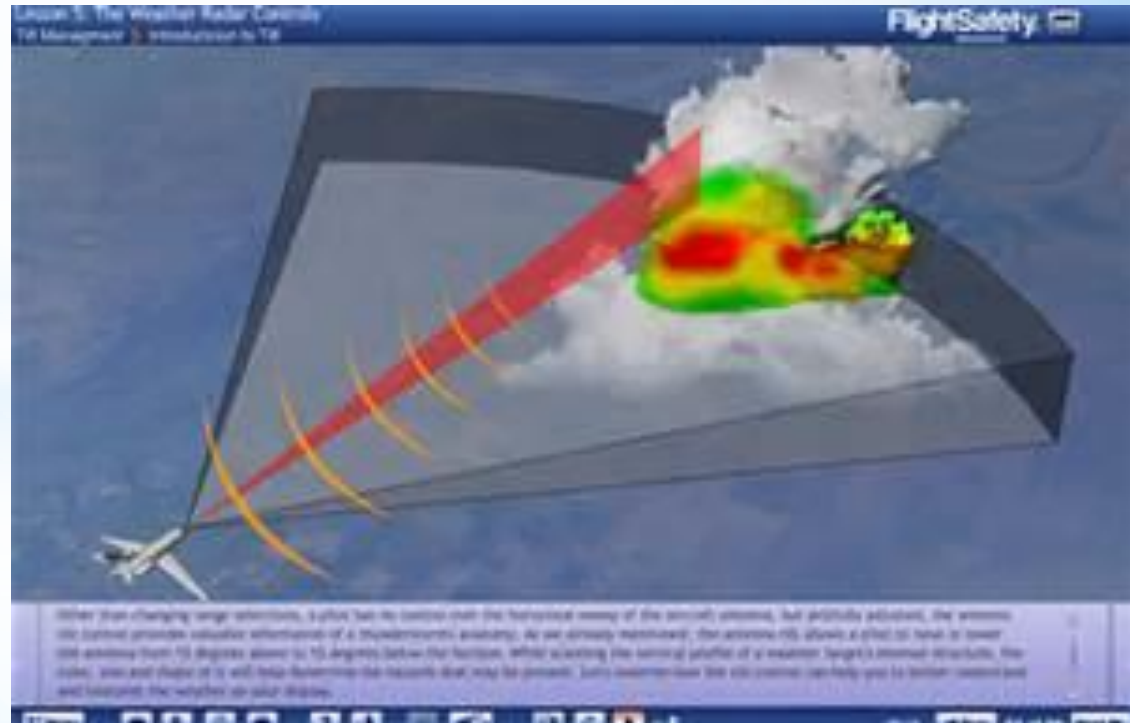
* Satellite Flight Following / Communications



* Aircraft - active - weather radar allows the aircraft to see weather directly in the path of the aircraft

* Real time

*Weather



* Satellite Weather

- * Shows a more global view of the weather that is further out
- * It is not real time
- * Additional tool



* Weather

* Air Communications Specialists

- * Most important piece of our safety technology
 - * Watch and coordinate where aircraft and crews are
 - * Flight following
 - * Radios
 - * Satellites
 - * Smoke signals if need be
- * They are an air crews “eyes and ears” on the ground.



* Communicators

- * IFR - Instrument Flight Rules

- * "Rules and regulations established by the FAA to govern flight under conditions in which flight by outside visual reference is not safe. IFR flight depends upon flying by reference to instruments in the flight deck, and navigation is accomplished by reference to electronic signals"

- * VFR - Visual Flight Rules

- * Flights operating under VFR are flown solely by reference to outside visual cues (horizon, buildings, flora, etc.) which permit navigation, orientation, and separation from terrain and other traffic.

* Flight Rules

- * All civilian air medical rotor wing (RW or Helicopter) aircraft operated in Montana are governed under visual flight rules (VFR)
 - * Military aircraft are governed separately and differently
- * All civilian air medical fixed wing (FW or airplane) aircraft operated in Montana are capable of IFR or VFR flight

* General Assumptions

- * Much of the weather in Montana can create icing conditions
 - * Rationale why RW aircraft are all VFR in Montana
 - * Not uncommon to have icing conditions in the summer months
- * Fast moving
- * Hurricane strength winds

* Weather Patterns

- * Airports are not all equally capable
 - * Weather reporting
 - * Length of runway
 - * Approach engineering



*Helicopter Shopping

*Question & Answer
period

